

CWSF 2014 - Windsor, Ontario



Dayne Gawley

Gas Eaters

Challenge: Environment

Category: Intermediate

Region: Regina

City: Regina, SK

School: Winston Knoll Collegiate

Abstract: Native bacteria tested from Crooked Lake, Saskatchewan, can biodegrade hydrocarbons. My hypothesis predicted that 5% diesel solution would show the greatest amount of degradation and was supported as a sample in 5% solution was the only liquid culture to show visible degradation, and all water agar plates showed growth. I believe the 5% solution offered the most nutrients for bacteria to extract.

Biography

My name is Dayne Gawley. I am 15 years old. I attend Winston Knoll Collegiate and am currently in grade 10. I was born in Moose Jaw, Saskatchewan where I attended King George School until my family moved to Regina, Saskatchewan. I have played lacrosse for 10 years and have referred for the past 3 years. In my spare time I like to play games and spend time at my families lake house. After high school I plan to become an engineer with a goal of working for the Canadian Space Agency. I was granted the SOEEA award this year at the Regina Regional Science Fair. This is my second year attending CWSF. The advice I would give to other students is to have curiosity in the topic while researching the scientific area to acquire a broad knowledge base of the intended experiment. It is important to be capable of answering all questions asked to the best of your ability.

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040